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Projective Groups of Perspective Collineations in the Plane Treated Synthetically. Pamphlet, 34 pages.

A dissertation presented to the Faculty of the University of Kansas by Arnold Emch to attain the degree of Doctor of Philosophy. B. F. F.

The Outlook Illustrated Monthly Magazine, Number for October. Price, 10 cents. The Outlook Co., 13 Astor Place, New York.

This number contains a full account of Princeton's 150th Anniversary, by Henry Van Dyke, with pictures; The Boys' Republic, by Washington Gladden, with twelve pictures; William Morris: A Poet's Workshop, by R. F. Zueblin, with five pictures; The Founder of the Y. M. C. A., by Lord Kinnaird, with nine pictures. B. F. F.

Popular Astronomy. Edited by W. W. Payne and H. C. Wilson, Goodsell Observatory of Carlton College, Northfield, Minnesota.

The November number contains the following: The Teaching of Descriptive Astronomy; Sketch of Astronomical Work at Munich; Biography of Prof. H. A. Newton, New York Evening Post; The Theory of Probability—An Historical Sketch; The Moon; The Constitution and Function of Gases; The Twilight; The Fixed Stars; The Planets and Constellations for October; Variable Stars. B. F. F.

Prace Matematyczne-Fizyczne. Wydawane. Przez S. Dicksteina, Warsaw, Russia.

The Mathematical Gazette. Edited by F. S. Macauley, St. Paul's School, West Kensington, W. London, England. Price, 3s. per year.

The *Gazette* aims at satisfying a want felt by many students for a Journal of Elementary Mathematics and is especially intended to be useful to teachers. B. F. F.

The Cosmopolitan. An International Illustrated Monthly Magazine. Edited by John Brisben Walker. Price, \$1.00 per year in advance. Single number, 10 cents. Irvington-on-the-Hudson.

The Review of Reviews. An International Illustrated Monthly Magazine. Edited by Dr. Albert Shaw. Price, \$2.50 per year. Single number, 25 cents. The Review of Reviews Co., New York.

ERRATA IN OCTOBER NUMBER.

Page 246, line 3, for " 5^{n+1} " read 5^{n-1} .

Page 246, line 14, insert + before last term of (1).

Page 246, line 15, for " $4^{\frac{n-1}{2}}.5$ " read $4^{\frac{n-2}{2}}.5$.

Page 246, line 19, insert + before last term in (2).

Page 247, line 12, for " $4626x^3$ " read $4626x^6$, and for " \times " read +.

Page 248, line 9, complete parenthesis after numerator of next to last term.

Page 250, problem 72 should read $2\sqrt{2} + \sqrt[3]{3} / (4 + \sqrt{6} - \sqrt{2})$.

Page 251, line 7 from bottom, for " $(-x)$ " read $(-a)$.

Page 252, l. 20, read $R = [F(C^2 - 4AB) + AE^2 + BD^2 - CD^2] / (4AB - C^2)$.

Page 252, line 2 from bottom, reverse last mark of parenthesis after F .

Page 253, line 5, for " $(Em^2 - 2k)$ " read $(Em^2 - 2k)y$.

Page 254, line 2, second = should be +.

Page 255, line 14, for " $n =$," etc. read u .

Page 255, line 18, for " (3) " read (2).

Page 256, line 1, in denominator, for " $\sqrt[m+n]{}$ " read $\sqrt[n+m]{}$.